

FIG. 1 Block Diagram of Automated Magnetic Sorter System

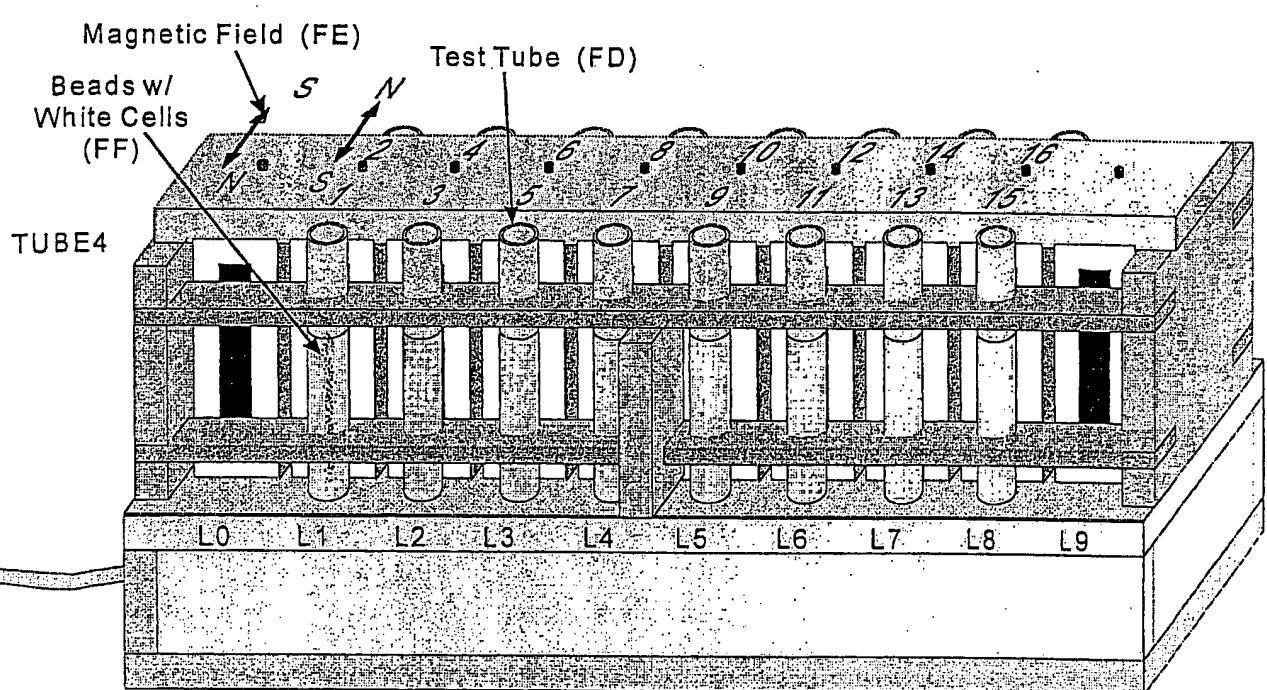
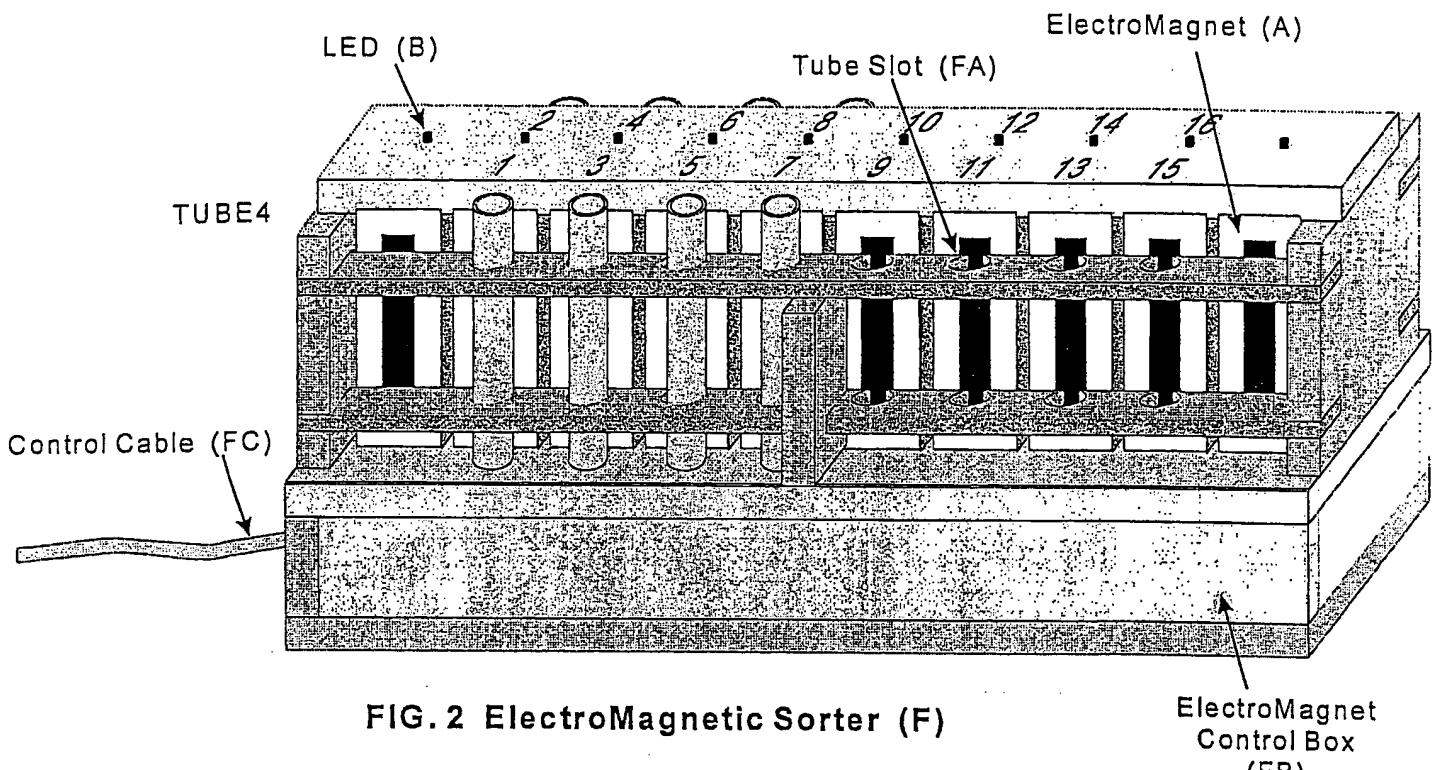


FIG. 3 Apply magnetic field to the first and second ElectroMagnets

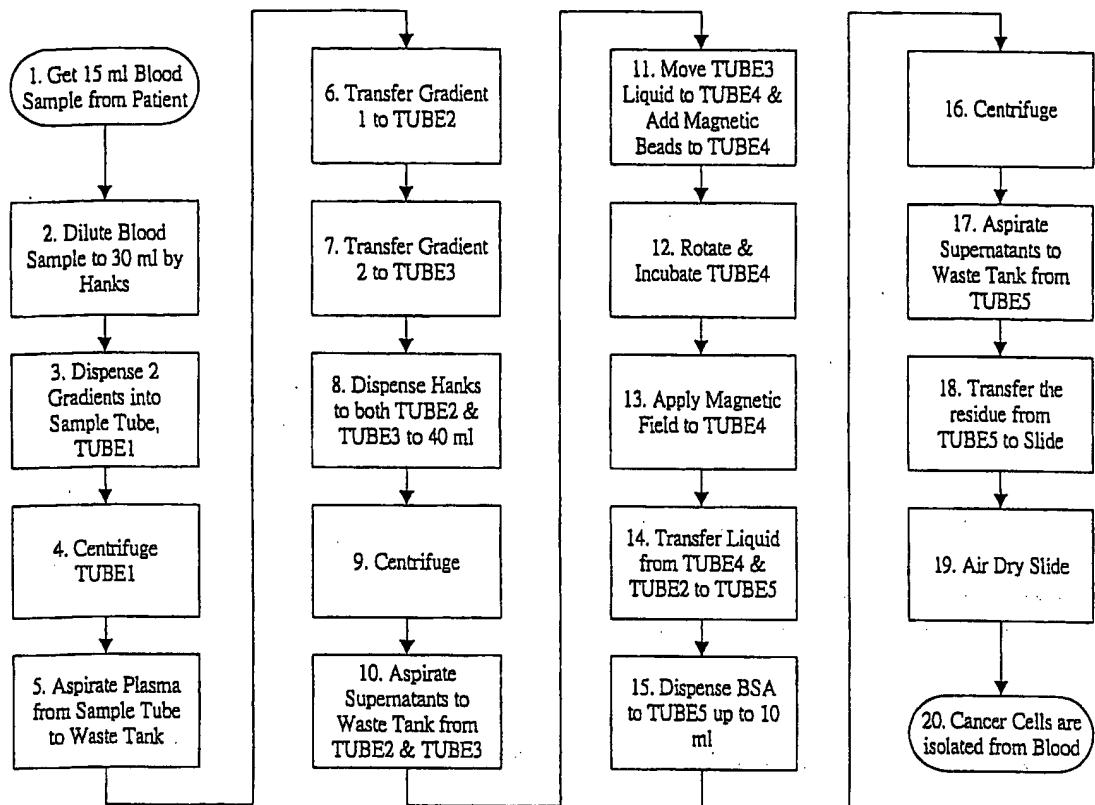


FIG4. Isolate Cancer Cells from Blood

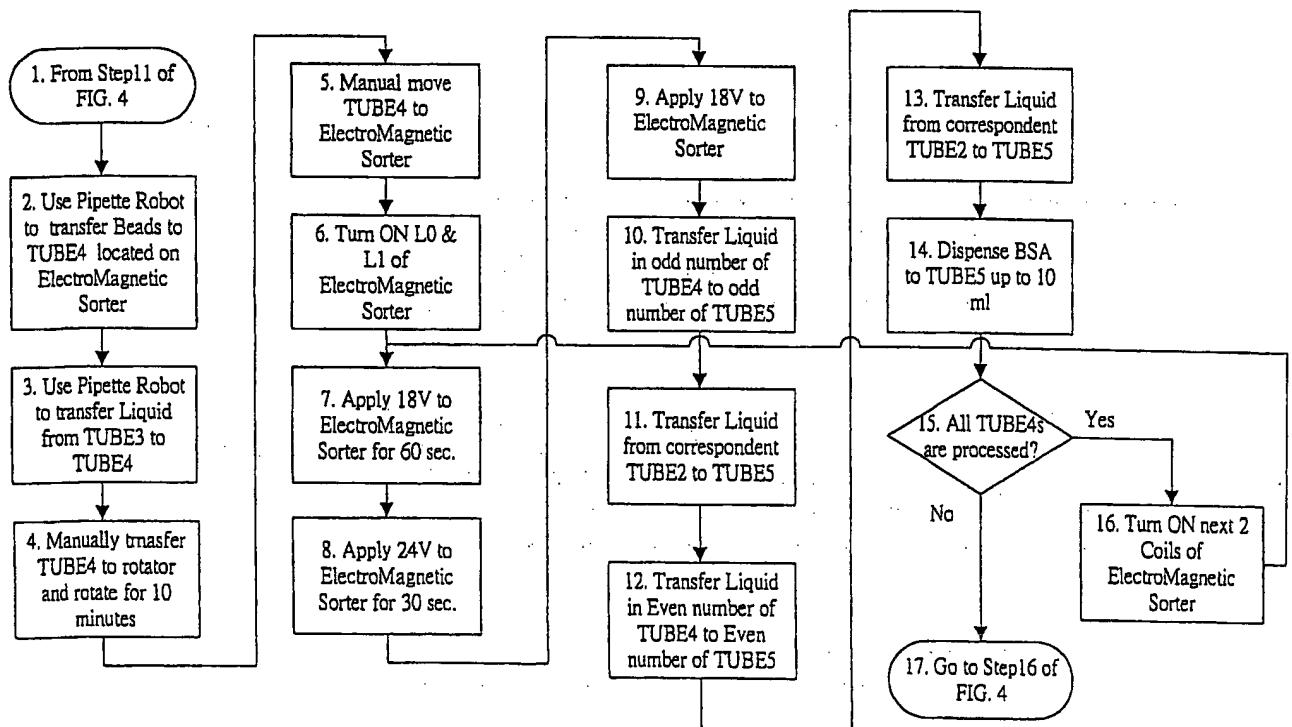
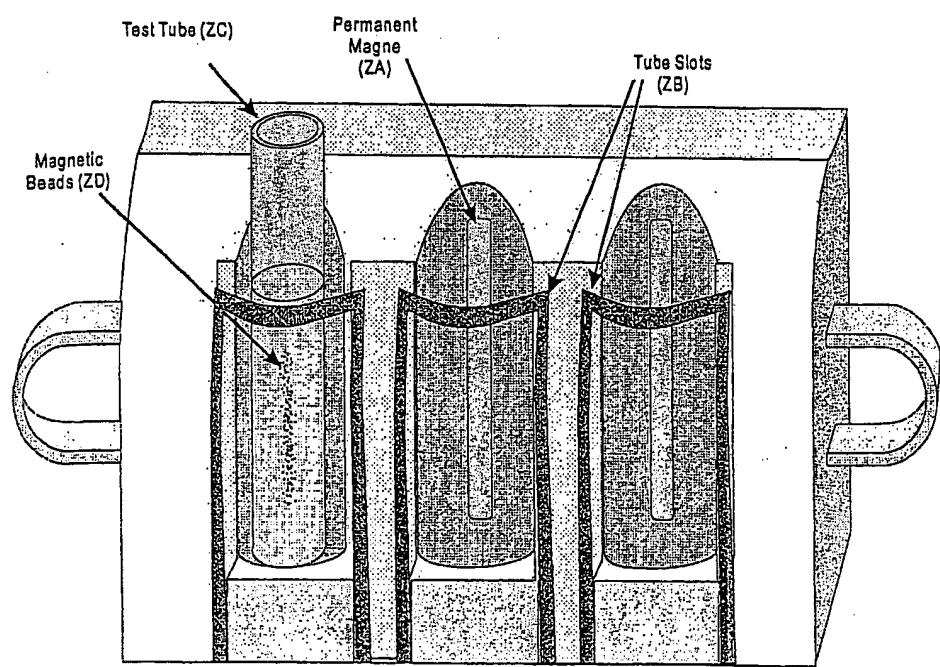


FIG5. Flow Chart of ElectroMagnetic Sorter



**FIG. 6 Traditional Magnetic Sorter (Z)**

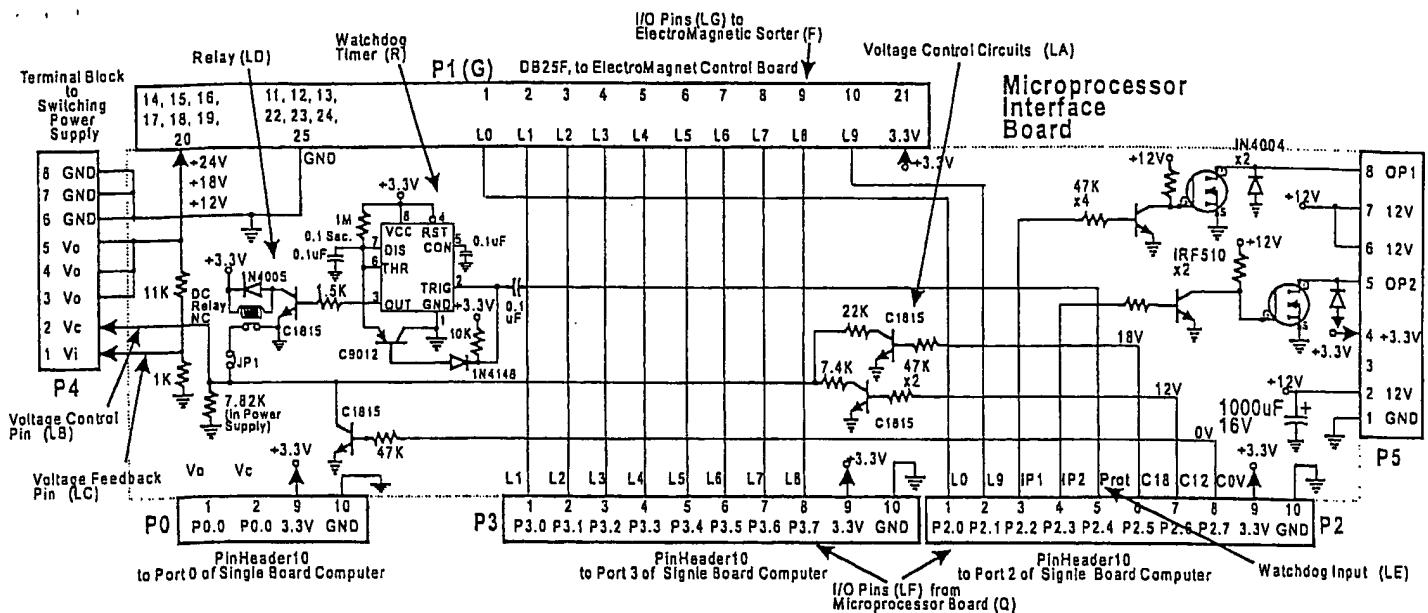


FIG. 7. Circuit Diagram of Microprocessor Interface Board (L)

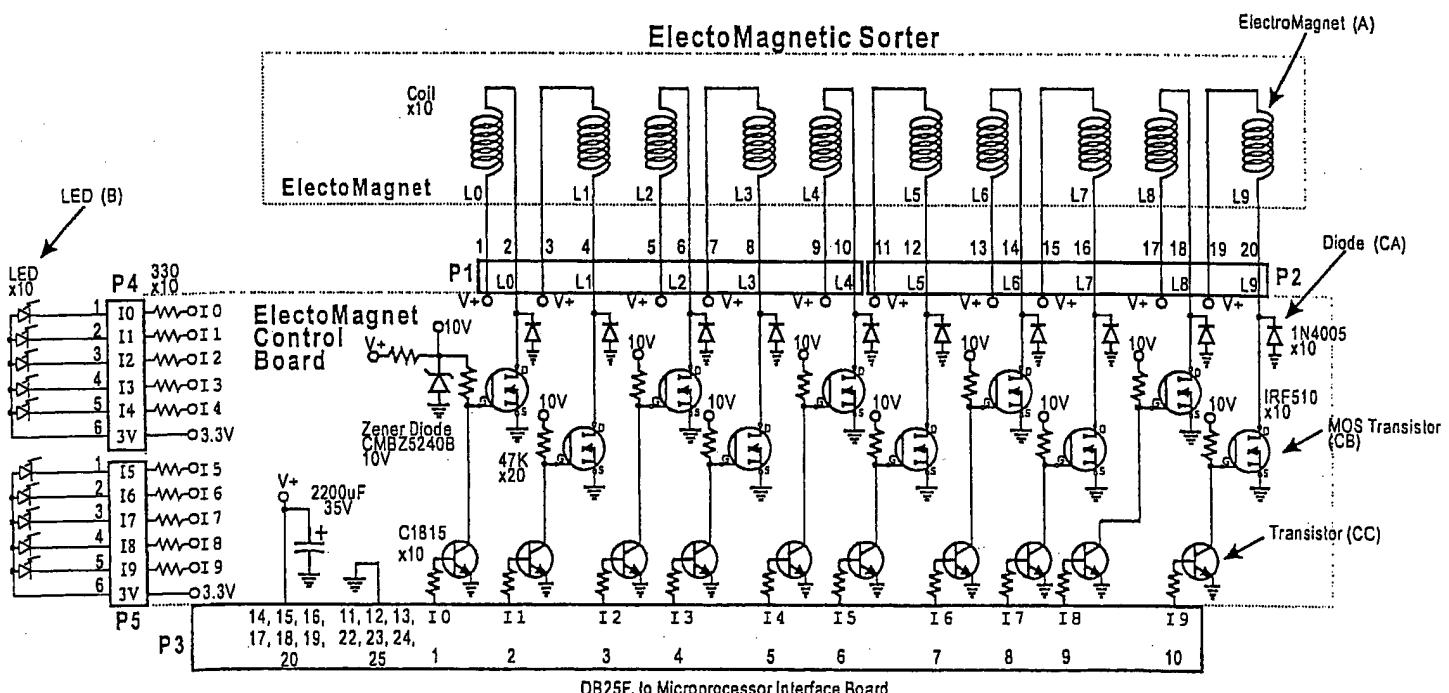
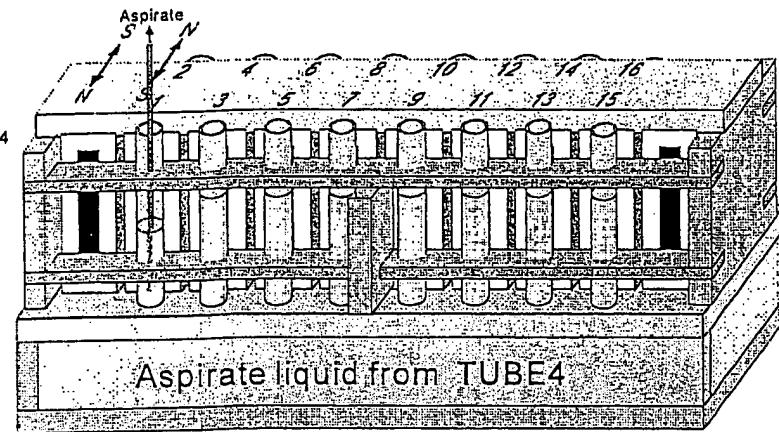
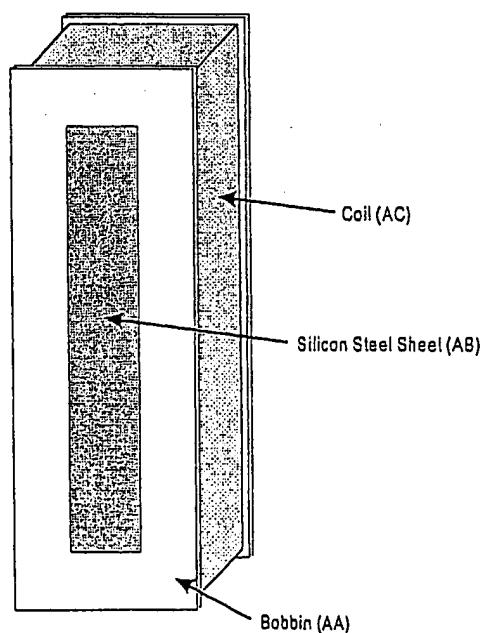
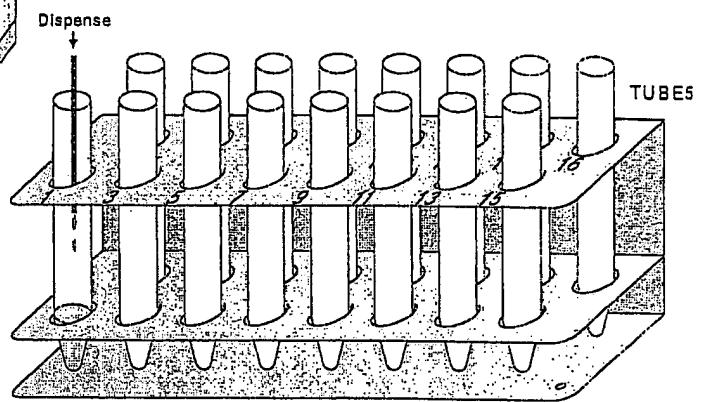


FIG. 8. Circuit Diagram of ElectroMagnetic Sorter (F)



**FIG. 9 Dispense Liquid from TUBE4 to TUBE5**



**FIG. 10 ElectroMagnet (A)**